

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**



**NEW CIP APPLICATION TRANSMITTAL**

Transmitted herewith for filing is the patent application of:

Inventor(s):     Oleksiy Pikalo  
                     John D. Schlafer  
                     Brig Barnum Elliott

**WARNING:**    Patent must be applied for in the name(s) of all of the actual inventor(s). 37 CFR 1.41(a) and 1.53(b).

For (title):        **SYSTEMS AND METHODS FOR IMPLEMENTING PATH  
LENGTH CONTROL FOR QUANTUM CRYPTOGRAPHIC  
SYSTEMS**

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**Certification Under 37 CFR 1.10**

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date 11/18/03 in an envelope as "Express Mail Post Office to Addressee" mailing label Number ER245858942US addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

\_\_\_\_\_  
Mary E. Anza

(typed or printed name of person mailing paper)

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*Mary E. Anza*  
(Signature of person mailing paper)

**NOTE:** Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 CFR 1.10(b).

**Warning:** Certificate of mailing (first class) or facsimile transmission procedures of 37CFR1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

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**PATENT**

Enclosed are:

- [ 48 ] pages of specification & cover sheet
- [ 12 ] pages of claims
- [ 1 ] pages of abstract
- [ 26 ] sheets of formal drawings
- [ 1 ] request & certification under 35 USC 122(b)(2)(B)(i)
- [ 2 ] pages of declaration and power of attorney
- [ ] pages of assignment and assignment recordation form
- [ 2 ] pages of information disclosure statement
- [ 2 ] pages of form PTO-1449
- [ 27 ] references
- [ 1 ] return postcard

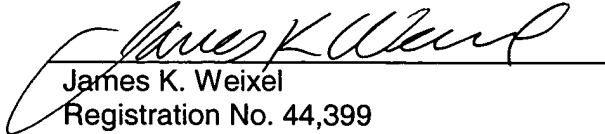
CLAIMS AS FILED				
	NUMBER FILED	NUMBER EXTRA	RATE	BASIC FEE \$770.00
TOTAL CLAIMS	62 - 20	42 x	\$18.00	756.00
INDEPENDENT CLAIMS	11 - 3	8 x	\$86.00	688.00
MULTIPLE DEPENDENT CLAIMS(S).....ADD			\$290.00	0.00
TOTAL FILING FEE				\$2214.00

**Warning:** Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. 371(c)(4) unless the International Application is being filed as a divisional, continuation or a continuation-in-part application.

[x] Please charge my Deposit Account No. 07-2339 in the amount of **\$2214.00.**

[x] The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required by the papers submitted herewith or credit any overpayment to Account No. 07-2339.

**This transmittal letter is submitted in duplicate.**

  
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Practitioner's Docket No. 03-4007

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Oleksiy Pikalo et al.

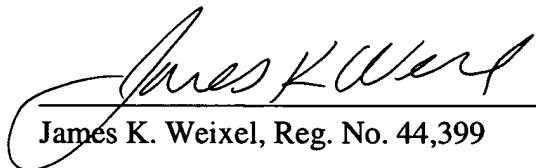
For (Title): SYSTEMS AND METHODS FOR IMPLEMENTING  
PATH LENGTH CONTROL FOR QUANTUM  
CRYPTOGRAPHIC SYSTEMS

REQUEST AND CERTIFICATION UNDER  
35 U.S.C. 122(b)(2)(B)(i)

I hereby certify that the invention disclosed in the attached application **has not been and will not be** the subject of an application filed in another country, or under a multilateral agreement that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

Date:

11/19/2003

  
James K. Weixel, Reg. No. 44,399

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**